

COLLOQUIUM

Pretentiousness in Analytic Number Theory

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Abstract: Inspired by the "rough classification" ideas from additive combinatorics, Soundararajan and I have recently introduced the notion of pretentiousness into analytic number theory. Besides giving a more accessible description of the ideas behind the proofs of several well-known difficult results of analytic number theory, it has allowed us to strengthen several results, like the Polya-Vinogradov inequality, the prime number theorem, etc. In this talk we will introduce these ideas and give some flavour of these developments.

Thursday, October 9, 2008, 4:00 pm
Mathematics and Science Center: W201

Refreshments will be served in the department lounge at 3:30pm.

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